



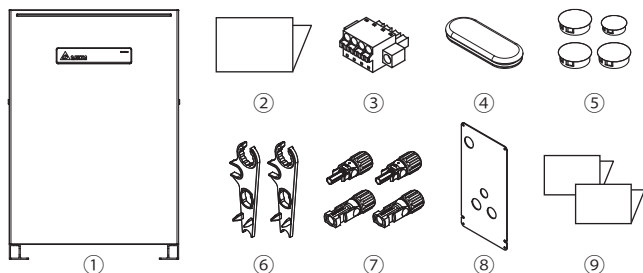
BX6.3_DD user manual

For more instruction and specification, please scan QR-code to see user manual.

> Battery > BX6.3_DD Operation and Installation Manual

- https://mydeltasolar.deltaww.com/?p=product_manual

Descriptions of Components



Object	Qty	Description
① Delta BX6.3_DD	1	Residential DC ESS
② Quick Installation Guide (English)	1	The Instruction to provide the information of safety, installation and specification.
③ Communication connector	1	Connector for inverter communication board
④ Rubber cover	1	Protective cover for non-critical waterproof and dust prevent
⑤ Plastic cover	4	
⑥ H4 Wrench	2	To disconnect H4 connector
⑦ H4 Connector	2 pair	Connector for inverter
⑧ Wiring Cover	1	Protective cover to prevent users from touching the power cable
⑨ Japanese Manual *	2	User manual and Quick install guide in Japanese

* Japanese manual is only intended for Japanese market.

LED Indicators



LED Status	Definition
GREEN FLASH	Standby mode
ORANGE ON	Charge
GREEN ON	Discharge
RED FLASH	Boot up / Shut down
RED ON	BMS error
RED & GREEN FLASH ALTERNATELY	Programming

Push Button

Status	Operation	Action
BX6.3_DD power OFF	Power button push > 20 sec (until grid green LED flash)	Power ON the unit (Cold start-up)
BX6.3_DD power ON already	Power button push > 1 sec	Power OFF the unit

Warning



Do not open this product or insert tools due to shock and fire hazard which may cause injury.



The following instructions must be adhere when installing:

- The product is intended to be installed and operated by qualified personnel or service personnel only.
- Do not power up the device before installation is complete.
- All circuit breakers must be in the OFF position before commencing installation.



- Do not install BX6.3_DD near or on flammable surfaces.
- Please mount BX6.3_DD tightly on a solid / smooth surface.
- Install BX6.3_DD in a location that prevents damage from flooding.
- Do not expose BX6.3_DD to ambient temperatures above 60°C or below -20°C.
- Operating or storing BX6.3_DD in temperatures outside its specified range might cause damage to BX6.3_DD.

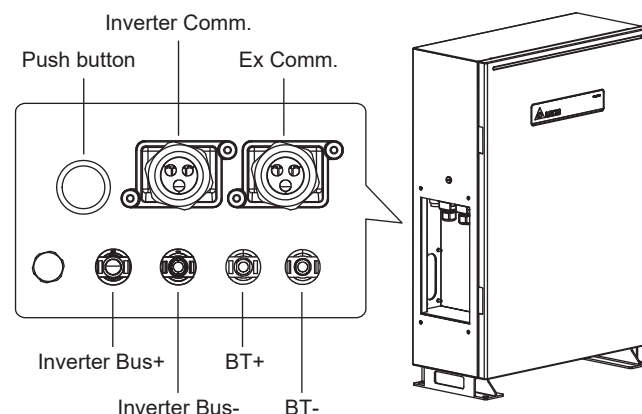
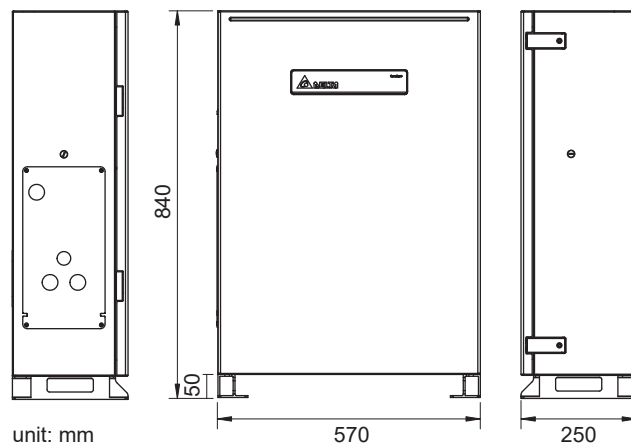


Danger to life through electric shock

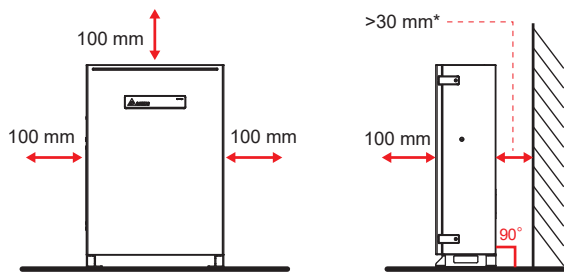
Potentially fatal voltage is applied to the unit during operation. Voltage persists 60 seconds after disconnection of power supply. Never open the unit. The unit contains no components that must be maintained or repaired by the operator or installer. Opening the housing will void the warranty.



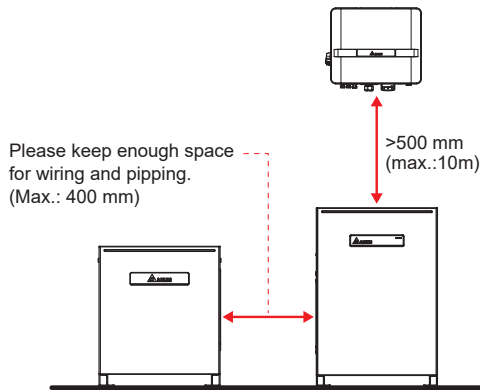
Dimensions and Interface Overview



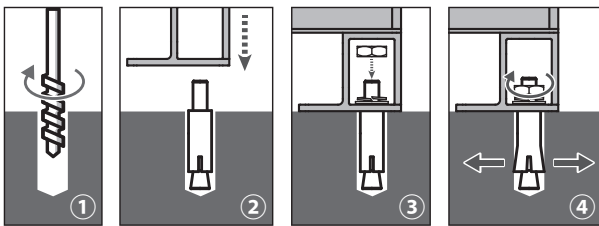
Installation



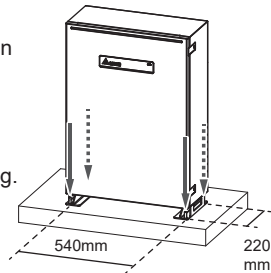
* Please refer to regulation AS/NZS 5139:2019 for detail installation space requirement. To avoid extra fireproof cement sheeting installation requirement, it is recommended to keep at least 300mm between the wall and BX.



Insert Rawplug

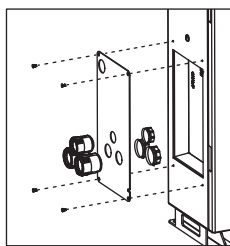


1. Drill 4 holes with $\Phi 16$ mm diameter in dimension 540mm x 220mm.
2. Insert Rawplugs into the holes.
3. Fix the foot of BX6.3_DD firmly.
4. Tighten the nut to stretch the rawplug.



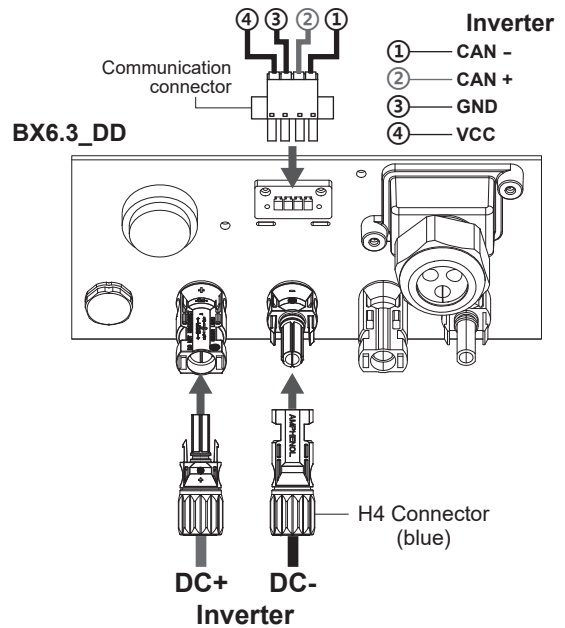
Wiring

Screw torque:
0.8 N·m (8 kgf·cm)



Conduit hole(mm)	PF pipe(mm)
$\Phi 34$	$\Phi 28$
$\Phi 27$	$\Phi 22$

Inverter connection



Specification

Model	BX6.3_DD	BX6.3_DD+BX6.3_EX100
GENERAL		
Enclosure	Aluminum with powder coating	
Operating temperature	-10°C * ~ 45°C	
Operating Altitude	0 to 2000m (0 to 6666 ft.)	
Relative humidity	0% – 95% non-condensing.	
Environmental category	Indoor / Outdoor	
Protection degree	IP65 (Electronics)	
Pollution degree	PD 2	
Overvoltage category	Other: not connected to mains directly	
Galvanic isolation	NO	
Safety class	Class I metal enclosure with protective earth	
Weight	75kg	75 kg (BX6.3_DD) + 60 kg (BX6.3_EX)
Dimensions(W*H*D)	570 × 840 × 250 mm	570 × 840 × 250 mm + 520 × 600 × 230 mm
Connectors	Weather resistant connectors	
Audible noise	< 40dB	
BT INPUT		
Type	Li-ion	
Battery Module	Samsung SDI 41J (21700)	
Typical Energy	6.3 kWh	12.6 kWh
Typical Voltage	DC 202.7 V	DC 405.4 V
Voltage Range	DC 175 - 228 V	DC 350 - 456 V
Depth of Discharge (DoD)	98%	
DC BUS INPUT / OUTPUT		
Nominal power	3000 W	6000 W
Maximum power	3000 W	6000 W
Voltage	250V - 1000V	
Maximum input/ output current	15.6 A	15.6 A
Maximum fault current	25A	
Tare loss	< 10 W	
Maximum efficiency	99%	
REGULATIONS & DIRECTIVES		
Electrical safety	IEC 62619:2017, IEC 60730-1:2013	